

CLAIMS

What is claimed is:

1. A propellant container, which comprises:

a substrate, forming at least a part of said propellant container, and having an outer surface;

a base material, having a rough outer surface relative to said outer surface of said substrate, covering said substrate.
2. A propellant container according to claim 1, which further comprises:

an insulation material formed over said base material.
3. A propellant container according to claim 2, wherein said insulation material is spray-on foam insulation.
4. A propellant container according to claim 1, wherein said base material outer surface is corrugated.
5. A propellant container according to claim 1, wherein said base material is a mesh sheet having openings therein.
6. A propellant container according to claim 1, wherein said base material has extensions that extend in a direction away from said substrate outer surface.

7. A propellant container according to claim 6, wherein said extensions are formed by machine punching said base material.
8. A propellant container according to claim 6, wherein said extensions have fingers for gripping an insulation material to be formed over said base material outer surface.
9. A propellant container according to claim 6, wherein said fingers extend away from said extensions in a direction approaching said substrate outer surface.
10. A propellant container according to claim 9, wherein said extensions and said fingers together form hooked formations.
11. A propellant container according to claim 9, wherein said extensions and said fingers together form barbed formations.
12. A propellant container according to claim 6, wherein said extensions are spaced apart from one another by between about $\frac{1}{2}$ inch and about 1 inch.
13. A propellant container according to claim 6, wherein said extensions are spaced apart from one another non-uniformly, with a higher concentration of said extensions being disposed in a predetermined region where an insulation material to be formed over said base material outer surface is most likely to de-bond from said substrate.
14. A propellant container according to claim 1, which further comprises an adhesive material adhering said base material to said substrate.

15. A propellant container according to claim 1, wherein said base material is tack-welded to said substrate.

16. A method for adapting a propellant container to preventing de-bonding of insulation therefrom, which comprises:

forming at least a part of said propellant container from a substrate having an outer surface; and

covering said substrate with a base material having a rough outer surface relative to said outer surface of said substrate.

17. A method according to claim 16, which further comprises:

forming an insulation material over said base material.

18. A method according to claim 17, wherein said insulation material is spray-on foam insulation.

19. A method according to claim 16, wherein said base material outer surface is corrugated.

20. A method according to claim 16, wherein said base material is a mesh sheet having openings therein.

21. A method according to claim 16, wherein said base material has extensions that extend in a direction away from said substrate outer surface.
22. A method according to claim 21, wherein said extensions are formed by machine punching said base material.
23. A method according to claim 21, wherein said extensions have fingers for gripping an insulation material to be formed over said base material outer surface.
24. A method according to claim 21, wherein said fingers extend away from said extensions in a direction approaching said substrate outer surface.
25. A method according to claim 24, wherein said extensions and said fingers together form hooked formations.
26. A method according to claim 24, wherein said extensions and said fingers together form barbed formations.
27. A method according to claim 21, wherein said extensions are spaced apart from one another by between about ½ inch and about 1 inch.
28. A method according to claim 21, wherein said extensions are spaced apart from one another non-uniformly, with a higher concentration of said extensions being disposed in a predetermined region where an insulation material to be formed over said base material outer surface is most likely to de-bond from said substrate.

29. A method according to claim 16, wherein said base material has an inner surface having an adhesive material adhered thereto before said base material is adhered to said substrate.

30. A method according to claim 16, wherein said base material is adhered to said substrate using an adhesive material.

31. A method according to claim 16, wherein said base material is tack-welded to said substrate.

32. An insulated container, which comprises:

a substrate having an outer surface;

a base material, having a rough outer surface relative to said outer surface of said substrate, covering said substrate; and

an insulation material formed over said outer surface of said base material.

33. A method for preventing de-bonding of insulation from a container, which comprises:

forming at least a part of said propellant container from a substrate having an outer surface;

covering said substrate with a base material having a rough outer surface relative to said outer surface of said substrate; and

forming an insulation material over said outer surface of said base material.